

Ways To Higher Labor Efficiency in the Lumber Industry SOV-118-58-7-2/2

The future development of the industry should comply with two guiding principles: modernization of existing equipment and creation and introduction of new technological methods and equipment. There are 4 tables.

1. Lumber industry--USSR

Card 2/2

25(5), 30(1)

Sov/118-59-2-8/26

AUTHOR: Roos, L.V., Committee MemberTITLE: Means of Developing Over-all Mechanization in Forest  
Exploitation (Puti razvitiya kompleksnoy mekhanizat-  
sii na lesorazrabotkakh)PERIODICAL: Mekhanizatsiya i avtomatzatsiya proizvodstva, 1959,  
Nr 2, pp 27-30 (USSR)ABSTRACT: The author refers to the numerous comments caused by  
the article of Professor S.F. Orlov "Nekotoryye vo-  
prosy razvitiya lesozagotovitel'noy promyshlennosti  
SSSR (Some Questions on the Development of the USSR  
Lumber Industry)", published in "Mekhanizatsiya trudo-  
yemkikh i tyazhelykh rabot", 1958, Nr 4. Evaluating  
the various opinions expressed, the author comes to  
the conclusion that the most promising type of lum-  
bering enterprise would be a permanent one, whose  
operational activities would consist in: 1) forest  
exploitation, 2) timber processing and 3) forest re-  
newal. Director Mastobayev of the Krestetskiy

Card 1/3

SOV/118-59-2-8/26

Means of Developing Over-all Mechanization in Forest Exploitation

(Kresttsy) lespromkhoz TsNIIME agrees with these ideas. Future wood transportation will be carried out mainly by motor transport. It is therefore an urgent necessity to start the building of motor roads. The Leningradskaya lesotekhnicheskaya or-dena Lenina Akademiya im. S.M.Kirova (the Leningrad Forest Engineering Academy of the Lenin Order imeni S.M. Kirov), TsNIIME, the Gidrolesmash trest (Gidro-lesmash Trust), the Lenles trest (Lenles Trust), the Kombinat Komiles (Komiles Combine), enterprises in Latvia, etc, are developing a new technology of forest engineering, to increase the labor productivity and to reduce net costs. The developing of new combined machines, means of transportation, loading methods, etc, does not exclude the necessity

Card 2/3

VIL'KE, Georgiy Aleksandrovich; ROOS, Lev Vladimirovich, kand. tekhn. nauk, retsenzent; BYSTROV, G.P., prof., retsenzent[deceased]; PATSIORA, P.P., red.; PITERMAN, Ye.L., red. izd-va; KARLOVA, G.L., tekhn. red.

[Fundamentals of the automatic control and automation of the industrial processes of lumbering enterprises] Osnovy avtomatiki i automatizatsiiia proizvodstvennykh protsessov lesopromyshlennyykh predpriiatii. Moskva, Goslesbumizdat, 1962.  
450 p. (MIRA 16:3)

(Lumbering—Machinery)

KORCHUNOV, Nikolay Grigor'yevich, prof.; KOMAROV, Yuri Mikhaylovich,  
dots., kand. tekhn. nauk; KOCHEGAROV, Vasilii Grigor'yevich,  
dots, kand. tekhn. nauk; OSIPOV, Petr Yegorovich, dots.,  
kand. tekhn. nauk; ROOS L.V., dots., kand. tekhn. nauk,  
retsenzent; RAKHMANOV, S.I., dots., kand. tekhn. nauk, retsenzent;  
TAGIL'TSEV, N.D., st. prepod., retsenzent; NESTERENKO, V.G., dots.,  
retsenzent; PARFENOV, G.M., dots., retsenzent; PLESKO, Ye.P., red.  
izd-va; IL'IN, B.A., red.; SHIBKOVA, R.Ye., tekhn. red.

[Technology of lumbering and lumber transportation]Tekhnologija  
lesozagotovok i transport lesa. [By]N.G.Korchunov i dr. Moskva,  
Goslesbumizdat, 1962. 501 p. (MIRA 16:3)  
(Lumbering) (Lumber—Transportation)

LARIONOV, Arkadiy Ivanovich; ROOS, L.V., retsenzent; LYKOV, N.P.,  
retsenzent; NADBAKH, M.P., red.; PROTANSKAYA, I.V., red.  
izd-va; PARAKHINA, N.L., tekhn. red.

[Technology of lumbering] Tekhnologija lesozagotovk. Moskva,  
Goslesbumizdat, 1962. 321 p. (MIRA 15:7)  
(Lumbering)

L 26550-66

ACC NR: AP6017385

SOURCE CODE: UR/0410/65/000/003/0069/0082  
32  
B

AUTHOR: Baburin, V. M. (Moscow); Roos, M. L. (Moscow)

ORG: none

TITLE: Errors in determining the integral distribution function from experimental data using analog devices and digital computers

SOURCE: Avtometriya, no. 3, 1965, 69-82

TOPIC TAGS: digital computer, distribution function, integral function, approximation

ABSTRACT: This work is devoted to an evaluation of the error in an integral distribution function determined from experimental data; relations are presented for mean square error depending on the time of observation and for selection of discretization interval of a random process when the distribution function is calculated with a digital computer. The authors show how the instrument error of a specialized device may be calculated for determining distribution functions. The relationship between the number of points of the function and the approximation error and methodological error are determined.

Orig. art. has: 9 figures and 31 formulas. / JPRS/

SUB CODE: 12, 09 / SUBM DATE: 25Jan65 / ORIG REF: 015 / OTH REF: 003

B.BULIN, V.M. (Moskva); KOS, M.L. (Moskva)

Errors arising in the determination of an integral distribution function from experimental data during the use of analog devices and digital computers. Avtometriia no.3:67-82 '65.

(MTPA 19:1)

1. Submitted Jan. 25, 1965.

ROOS, O.

Microbiologic processes in the composting of turf and peat.

P. 301, (Sotsialistlik Põllumajandus) Vol. 12, no. 7, July 1957, Tallinn, Estonia

(REF ID: A6766) 6 NOVEMBER 1957

ROOS, N.

"Auxillary circuits in a studio"

Tech. Mitt. PTT, 30, 110-4 (April, 1952)

SOURCE: SCIENCE ABSTRACTS, Section B, Electrical Engineering Abstracts,  
(January 1953), Unclassified.

S/169/61/000/012/049/089  
D228/D305

AUTHOR: Roos, Yu.

TITLE: Trial application of electronic potentiometers  
in actinometry

PERIODICAL: Referativnyy zhurnal, Geofizika, no. 12, 1961,  
7, abstract 12B58 (V sb. Issled. po fiz.  
atmosphery. 2. Tartu, 1960, 164-171)

TEXT: The question is considered about the applicability  
of automatic electronic potentiometers for recording the com-  
ponents of the radiation balance when used as the radiation re- ✓  
ceivers of network actinometric instruments--thermoelectric  
actinometers, pyranometers, and balcometers. The necessary al-  
terations in the schemes of electronic potentiometers when  
actinometric instruments are included in them are reduced to  
the following operations: (a) decrease in the measurement limits

Card 1/2

S/169/61/000/012/049/089  
D228/D305

Trial application of...

of the potentiometer by means of changing the resistances and increasing the booster; (b) the regulation of the shunt of the booster intake during the checking of the operating current; (c) the displacement of the zero point by changing the corresponding resistance. To record all components of the radiation balance, it is desirable to have three self-scribers: a one-channel wall MCHU (MSShchPr) galvanograph with a measurement capacity of up to 10 mv--for recording direct radiation; a three-channel EPP (EPP) potentiometer with a measurement capacity of 2 mv--for recording scattered, summary and reflected radiation; and a one-channel CHU (EPP) potentiometer with a measurement capacity of from - 2 to 3 mv--for recording the radiation balance. [Abstracter's note: Complete transiatiion.]

Card 2/2

RAUDAM, E.I.; ROOSAARE, M.A.

Effect of central reflexes on modifications of white and red blood in  
encephalography. Vopr. neirokhir. 17 no.3:30-36 May-June 1953. (CIML 25:1)

1. Of the Department of Neurology (Head -- Docent E. I. Raudam), Tartu  
University (Rector -- Prof. F. D. Klement).

L 3542-66

ACCESSION NR: AP5024411

UR/0286/65/000/015/0090/0090

15  
B

AUTHOR: Roose, E. F.

TITLE: Apparatus for graduating individual scales of measuring devices. Class 42,  
No. 173436

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 15, 1965, 90

TOPIC TAGS: measuring apparatus, optic system, optic measurement 10

ABSTRACT: This Author Certificate presents an apparatus for graduating individual scales of measuring devices (see Fig. 1 on the Enclosure). The apparatus contains an optical sighting device for viewing a calibration mark. To improve the accuracy and efficiency of scale production, the apparatus is provided with an objective for projecting the image of the mark (with the help of a light source) onto a comparator scale. The objective is kinematically connected with the optical viewing sight. Orig. art. has: 1 figure.

ASSOCIATION: Organizatsiya Estonskogo sovnarkhoza (Organization of the Estonian Sovnarkhoz)

L 3542-66

ACCESSION NR: AP5024411

SUBMITTED: 13Jul64

ENCL: 01

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NO REF Sov: 000

OTHER: 000

L 3542-66  
ACCESSION NR: AP5024453

ENCLOSURE: 01

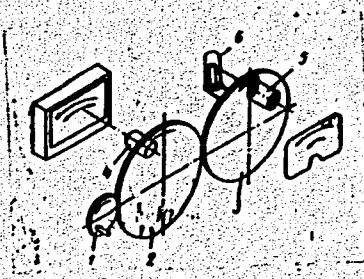


Fig. 1. 1- micrometric lead screw;  
2 and 3- gears; 4- optical system;  
5- photographic objective; 6- illuminating  
lamp

ROOSE, N., red.; KOHU, H., tekhn. red.

[Take care of your health] Saastkem oma rervist. Tallinn, Eesti  
Riiklik Kirjastus. 1961. 47 p. (Eesti NSV Poliitiliste ja  
Teadusalaste Teadmiste Levitamise Uuring, no.303) (MIRA 15:7)  
(HYGIENE)

KALJU, Aleksander; ROOSE, N., red.; VAHTRE, I., tekhr. red.

[Diseases of the alimentary tract in infants]Vaike laste seede-trakti haigused. Tallinn, Eesti riiklik kirjastus, 1961. 91 p.  
(MIRA 15:5)

(DIGESTIVE ORGANS—DISEASES)

ROOSENIT, Oskar; RAUD, M., red.; LAUL, U., tekhn. red.

[How to reduce costs in agriculture] Põllumajandussaaduste omahinna alandamisest. Tallinn, Eesti Riiklik Kirjastus, 1962. 39 p. (Eesti NSV Poliitiliste ja Teadusalaste Teadmiste Levitamise Uhing, no.316) (MIRA 15:7)

(Agriculture--Costs)

*BC*

PROPERTIES AND PRODUCTION INDEX																
<p><i>a-3</i></p> <p><b>Composition of <math>\alpha</math>-Dihydroxy-<math>\alpha</math>,<math>\beta</math>-dihydronaphthalene-<math>\alpha</math>,<math>\beta</math>-diol.</b></p> <p>A. Wertheim and C. H. Bamford (2, <math>\alpha</math>-phenol, Chem. &amp; Ind. 1950, 104) found that treatment (O<sub>2</sub>, AcOH) of the dihydronaphthalene derivative (1) in <math>\text{CHCl}_3</math> of <math>\text{C}_2\text{H}_5\text{Li}</math> and <math>\text{LiAlD}_4</math> gave a dihydroxy-<math>\alpha</math>,<math>\beta</math>-dihydronaphthalene (<math>\alpha</math>,<math>\beta</math>-dihydro-<math>\alpha</math>,<math>\beta</math>-dihydronaphthalene-<math>\alpha</math>,<math>\beta</math>-diol) (2) (44.5 mole-%), COMe, (4.5%), CO<sub>2</sub> (1.5%), and a small amount of <math>\text{C}_2\text{H}_5\text{CO}_2</math> (0.5%). Of which about 12% was due to the formation of a dihydro-<math>\alpha</math>,<math>\beta</math>-dihydronaphthalene-<math>\alpha</math>,<math>\beta</math>-diol (3) (10.0 mole-%).</p> <p>Chemical analysis showed that the dihydro-<math>\alpha</math>,<math>\beta</math>-dihydronaphthalene-<math>\alpha</math>,<math>\beta</math>-diol (2) contained 10.5% water, therefore, it was assumed that (2) with R = <math>\text{CH}_2\text{OH}</math> (4) (11.5%) and <math>\text{CH}_2=\text{CHCH}_2\text{CH}_2\text{CH}_2\text{Pr}^1</math>, reaction Reichel et al., A., 1936, H. B.</p> <p><i>Diagram:</i></p> <p>respectively (cf. loc. cit. 609).</p>																
ARM-11A METALLURGICAL LITERATURE CLASSIFICATION																
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">FROM STYLING</td> <td style="width: 50%;">TO 2000 MAP ONLY ONE</td> <td style="width: 25%;">RELATION</td> </tr> <tr> <td>SEARCHED <input checked="" type="checkbox"/></td> <td>SEARCHED <input checked="" type="checkbox"/></td> <td>SEARCHED <input checked="" type="checkbox"/></td> </tr> <tr> <td>INDEXED <input checked="" type="checkbox"/></td> <td>INDEXED <input checked="" type="checkbox"/></td> <td>INDEXED <input checked="" type="checkbox"/></td> </tr> <tr> <td>SERIALIZED <input checked="" type="checkbox"/></td> <td>SERIALIZED <input checked="" type="checkbox"/></td> <td>SERIALIZED <input checked="" type="checkbox"/></td> </tr> <tr> <td>FILED <input checked="" type="checkbox"/></td> <td>FILED <input checked="" type="checkbox"/></td> <td>FILED <input checked="" type="checkbox"/></td> </tr> </table>		FROM STYLING	TO 2000 MAP ONLY ONE	RELATION	SEARCHED <input checked="" type="checkbox"/>	SEARCHED <input checked="" type="checkbox"/>	SEARCHED <input checked="" type="checkbox"/>	INDEXED <input checked="" type="checkbox"/>	INDEXED <input checked="" type="checkbox"/>	INDEXED <input checked="" type="checkbox"/>	SERIALIZED <input checked="" type="checkbox"/>	SERIALIZED <input checked="" type="checkbox"/>	SERIALIZED <input checked="" type="checkbox"/>	FILED <input checked="" type="checkbox"/>	FILED <input checked="" type="checkbox"/>	FILED <input checked="" type="checkbox"/>
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RECORDED BY: [redacted]

For the last time under the sword of Durables. p. 49

ESTONIA. (KETAKULTUURI-JA SPORDIKOMITÉE) Tallinn, Estonia.  
Vol. 20, no. 16, Aug. 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 3, No. 12, Dec. 1959  
Uncl.

ECONOMICS, 4.

Shortcomings in teaching physical education, p. 4

YARHOONIKO OPIAJA. (TAALIUSKUNSTETTELI JA KÄRJUSSE ALAI TOOTAJATE AMETIÜHING)  
Tallinn, Estonia Vol. 17, no. 40, Oct. 1950

Monthly List of European Accessions (EBRI) LC, Vol. 8, No. 12, Dec. 1950  
Uncl.

USATENKO, B.; ALLIKAS, V.; KOSILEHT, A.; METSAR, J., red.;  
TÖNISON, A., tekhn. red.

[Aquarium] Akvaarium. Tallinn, Eesti Riiklik Kirjastus,  
1963. 383 p. (MIRA 16:12)  
(Aquariums)

ROOSMETS, R.R.

Change in the circuit of the KFM caliper. Geofiz. razved. no.3:119-  
(MIRA 17:2)  
120 '61.

ROOST, V.; KRUUS, H.

A conference on landscape gardening. p. 252.

TIOMETISED. BIOLOGILINE SEERIA. IZVESTIIA. SERIIA BIOLOGICHESKAIA.  
(Eesti NSV Teaduste Akadeemia) Tallinn, Estonia. Vol. 8, no. 3, 1959.

Monthly list of East European Accessions (EEAI) Vol. 9, no. 1, Jan. 1960.

Uncl.

FRONIN, Ardal'ion Fedorovich. ROOSTALU, L [translation]; ORA, A.,  
red.

[Agricultural machines] Põllumajanduslikud masinad. Tal-  
limm, Eesti Riiklik Kirjastus, 1964. 109 p. [In Estonian]  
(MIRA 18:2)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445320020-0

P0052 J.

EPAF

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445320020-0"

VALYI, Laszlo; GOMBOS, Peter; ROKSZ, József

Examination of long-lived radio-frequency ion source. Koz fiz  
Kozl MTA 12 no.51461-476 '64.

Rosz, J

17  
Examinations of lithium ion sources. / István Csernák,  
József Rózsa, and Mrs. Jenő Slegler (Magyar Tudományos  
Akad. Körponyi Fiz. Kutató Intézete, Budapest, Hung.).  
Magyar Tudományos Akad. Körponyi Fiz. Kutató Intézetének  
Köszleményei 4, 310-18 (1958).—Li-ion sources are described:  
a thermal source (a Li-glass; 16.2% Li<sub>2</sub>O, 14.8% Al<sub>2</sub>O<sub>3</sub>, and  
70% SiO<sub>2</sub>), and a Thoneman-type radiofrequency source  
(Erő, Magyar Fizikai Folyóirat 3, 629 (1955)) adapted to gas  
dosing, with H as the carrier gas. K. Ettr.

JW

1/1 Distr: 4E2c/4E30

TFC

6  
1-185  
2

RUMANIA/Farm Animals. Cattle.

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16803.

Author : Rosa A., Angelescu V., Rusu S.

Inst :  
Title : Experimental Data on the Feeding of Calves with  
Artificial Feeder  
(Eksperimental'nyye dannyye o kormlenii telyat  
iskusstvennoy soskoy)

Orig Pub: Probl. zootehn., 1957, No 4, 25-29.

Abstract: No abstract.

Card : 1/1c

Q

ROOSALU, A.

A disinfectant and time sprayer mounted on the tractor MTZ-7. p. 138.

SOTSIALISTLIK POLLUMAJANDUS. (Pöllumajanduse Ministeerium) Tallinn,  
Estonia. Vol. 13, no. 3, March 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 11,  
November 1959 .

Uncl.

RCOSMANII, A.

Experiences with bacterial fertilizers and their substitutes. p.14

SOTSILISTLIK POLLUMJANDUS. POLLUMJANDUSE MINISTERIUM.  
Tallin, Hungary. No. 1, 1958

Monthly List of East European Accessions (E-AI) LC, Vol. 8, no. 11  
November 1959.

Uncl.

ROOT, L. A.

PA 39/49T17

USSR/Chemistry - Dilatometers

Apr 49

Chemistry - Heat of Dilution, of Polymers

"Characteristic Curves of the Energy Effect of Diluting High Polymers by the Dilatometric Method,"  
S. A. Glinkman, L. A. Root, Saratov State U imeni  
N. G. Chernyshevsky, 4 pp

"Dok Ak Nauk SSSR" Vol LXV, No 5

Changes in heat content have previously been determined calorimetrically or indirectly, using temperature coefficient of osmotic pressure. Authors studied volume effect, an index of energy effect, by dilatometric method. Results for the systems nitrocellulose-acetone, nitrocellulose-

39/49T17

USSR/Chemistry (Contd)

Apr 49

ethylacetate, and ethylcellulose-ethylacetate show substantial energy effect of dilution in certain regions of low concentration, and a marked change of certain physical characteristics of the solutions, e.g., viscosity. Submitted by Acad. A. N. Franklin, 12 Feb 49.

39/49T17

CA

Dilatometric characteristic of effects of dilution of high-polymer solutions. S. A. Glikman and L. A. Root (Bar-Ilan State Univ.). Zhur. Obshchey Khim. (J. Gen. Chem.) 21, 59-64 (1951).—The vol. changes,  $\Delta v$ , on diln. of solns. of (I) nitrocellulose ( $\eta = 1.80$ ) in  $\text{Me}_2\text{CO}$ , (II) the same in EtOAc, (III) benzylcellulose in  $\text{C}_6\text{H}_6$ , (IV) ethylcellulose in  $\text{EtOAc}$ , (V) citrus pectin in  $\text{H}_2\text{O}$ , (VI) polystyrene in  $\text{C}_6\text{H}_6$ , (VII) nitrocellulose in dioxane, were measured by a dilatometric method accurate within 0.001 ml., with the thermostat method accurate within  $\pm 0.012^\circ$ . Diln. of I is in the concn. range from 15% to 0.125%; gives neg.  $\Delta v$ , i.e., contraction. On diln. from 10-15% to close to 0.3%,  $-\Delta v$  values are of the order 0.001-0.006 ml./g., where from 0.3 to 0.25-0.10%,  $-\Delta v$  is 0.01-0.03 ml./g., and the total  $-\Delta v$  on diln. from 10 to 0.025% is 0.050 ml./g. The vol. change corresponding to soln. of nitrocellulose in  $\text{Me}_2\text{CO}$  was detd. by mixing  $\text{Me}_2\text{CO}$  with dry nitrocellulose in  $\text{C}_6\text{H}_6$  as indifferent liquid, with allowance made for the slight vol. effect of mixing the 2 liquids. The vol. effect of soln. (to about 2%) was thus detd. to 0.116 ml./g. On the other hand, the heat of soln.  $Q$  of the same nitrocellulose in  $\text{Me}_2\text{CO}$  was detd., by direct calorimetry, to 17.0 cal./g., close to literature data of heat of swelling in the same system. On the assumption

of the existence of a direct proportionality between  $\Delta v$  and  $Q$ , the conversion factor  $\Delta v/Q$ , for I, is  $0.116/17.0 = 6.8 \times 10^{-4}$ , and this permits conversion of the observed  $\Delta v$  into heat effects. Similarly, for III,  $\Delta v/Q$  was detd. to  $18 \times 10^{-4}$ . In I, there is a considerable neg.  $\Delta v$  (and evolution of  $Q$ ) in the swelling range; the effect of a subsequent diln., from 10 to 0.4%, is not more than 5% of the integral effect of soln., but further diln. from 0.3 to 0.015% is accompanied by an effect amounting to 25% of the integral effect. System II shows pos.  $\Delta v$ , of an abs. magnitude much smaller than in I, and an inflection in the same concn. range of 0.40-0.20%. IV and V give pos.  $\Delta v$ . In IV the  $\Delta v$  (concn.) curve has an inflection in the range 0.5-0.2%; diln. from 5 to 0.6% gives an expansion of 0.0014 ml./g., diln. from 0.4 to 0.2%, 0.0032, whereas diln. to below 0.2% gives no vol. change. In V, the vol. effects begin to increase at 0.4%; twofold diln. of a 1% soln. gives  $+\Delta v = 0.0008$ , the same diln. of 0.5% soln., 0.0020, and of 0.1% soln., 0.0078 ml./g. III (neg.  $\Delta v$ ) has an inflection at 0.6-0.2%. The integral effect of soln. to a concn. of 0.04% is  $-\Delta v = 0.0213$ , and, consequently, the effect of diln. from 2 to 0.04% is 40% of the integral effect, whereas the effect of diln. from 5 to 0.6% is only 5% of the integral effect. VII, on diln. from 5% to 0.125%, gave no measurable  $\Delta v$ , and the same applies to VI (from 2-0.2 to 0.2-0.1%) and to VIII. The diverse effects are interpreted in terms of the obvious inferences about the relative magnitudes of the energies of assocn. and of solvation. N. T.

ROGT, L. A., and GLIKMAN, S. A.

"On the Nature of the Solvation of High Polymers in Mixtures of Solvents"  
(O prirode sol'vatatsii vysokopolimerov v smesyah rostvoriteley) from the book  
Trudy of the Third All-Union Conference on Colloid Chemistry, pp. 464-474, Iz. Ak. SSSR,  
Moscow, 1956

(Report given at above Conference, Minsk, 21-4 Dec 53)

Authors: Saratov State University im. N. G. Chernyshev

Root, K.P.

4 E 20 b  
2 3 min 2

Volume effects of dilution of high-polymer solutions.  
S. A. Bikerman and L. A. Root (N. G. Chernyshevskii State  
Uiv., Saratov). *Zh. fiz. ch.* 19, 322 (1935); *J. C. S.*

The vol. change  $\Delta V$  associated with dissolving 1 g. polymer in a liquid often has a max. at small resulting concn. e.g., 0.3% for cellulose nitrate (I) in  $MgCl_2$  and EtOAc, 0.001 for cellulose nitrate (I) in  $C_6H_6$ , 0.007 for benzylcellulose (II) in  $C_6H_6$ , 0.001 for poly(vinyl chloride) in  $C_6H_6$ , EtOAc, and  $C_6H_6$ , 0.024, 0.027, and 0.038 for poly(vinyl butyral) in  $MgCl_2$ , EtOH, and benzyl alcohol, and zero for polystyrene in  $C_6H_6$ , pectin in  $H_2O$ , and I in dioxane. At the concns corresponding to these max., the structure of the solns. presumably changes. The ratio  $\Delta V/Q$  ( $Q$  = heat of soln.) was, contrary to Katz, (*Erged. exakt. Naturw.* 4, 154 (1925)), not constant but varied from  $5 \times 10^{-3}$  int./cal. for II in  $C_6H_6$  to  $2 \times 10^{-2}$  for rubber in  $C_6H_6$ . J. J. Bikerman

PM YYT

ROOT, L. A.

The nature of the solvation of cellulose ethers in solvent mixtures. S. A. Clikman and L. A. Root (N.G. Chernyshevskii State Univ., Saratov). *Kolloid. Zhur.* 18, 656-9 (1956).—The relative viscosity  $\eta$  of 1% ethylcellulose (I) solns. in toluene had a max at 20°; the temp  $T_1$  of the max was shifted to lower temps by MeOH; e.g.,  $T_1$  was -25° in MeOH 2.5, toluene 97.5%. The temp  $T_2$ , below which a 10% soln of I in toluene showed a yield stress, also was lower the greater was the addn of MeOH; e.g.,  $T_2$  was +9° and about -3° for 1% and 10% MeOH, resp. Assuming that all MeOH added was adsorbed by I in its 1% soln, the energy  $u$  of a link calcd. from  $u = 2\pi R D^2 / \Delta T V$  where  $D$  is the spacing equiv.,  $N$  = the no. of ads. MeOH,  $V$  = the density of  $T_1$  and  $N$  = the no. of ads. MeOH, was found to be approx. 0.13. The equation  $u = k \ln (1 + N)$  was solved for  $k$  and it was found that  $k = 0.13$ . *Chen* 2

J. A. Bikerman

ROOT, L. A., and GILMAN, S. A.

"Intermolecular forces in polymer solutions," a paper presented at  
the 9th Congress on the Chemistry and Physics of High Polymers, 28 Jan-2 Feb  
57, Moscow, Saratov University.

B-3,084,395

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445320020-0

2 May  
2

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445320020-0"

SOV/156-59-1-39/54

5(3), 15(0)

AUTHORS:

Glikman, S. A., Adam, E. M., Root, L. A.

TITLE:

On the Heterogeneity and the Capacity of Gelatin Formation  
of the Agar From the Philophora of the Black Sea (Agaroid)  
(O Geterogennosti i studnecobrazuyushchey sposobnosti agara  
iz chernomorskoy filofory (agaroida))

PERIODICAL:

Nauchnyye doklady vyschey shkoly. Khimiya i khimicheskaya  
tekhnologiya, 1959, Nr 1, pp 151 - 153 (USSR)

ABSTRACT:

The agar of the red alga Philophora, a so-called agaroid, has a far lower gelatin formation capacity than have other types of agar, but it is remarkable for the high viscosity of its solutions. The preparation investigated had been produced in the Odessa agar works, where Philophora is treated for one hour with a 0.05% caustic potash, is then extracted with boiling water, and the extract being afterwards purified by means of active carbon. A fractionation of the preparation by means of water is too cumbersome, due to its swelling capacity. For this reason alcohol-water mixtures were employed. Extraction was effected gradually, with temperatures from -10° to + 65° (Table). A total

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On the Heterogeneity and the Capacity of Gelatin Formation SSV/156-59-1-39/54  
of the Agar From the Philopatra of the Black Sea

of 16 fractions were obtained. The fractions obtained up to a temperature of + 10° contained mainly minerals and low-molecular organic impurities. Like the insoluble remainder (1.1%) they were not investigated. In the other fractions viscosity was measured by means of the method described on an earlier occasion (Ref 2). A table shows that, like the Japanese agar, the agaroid is a heterogeneous product. It differs, however, from genuine agar by the high, uniform sulfate group content in all fractions. Besides, the elasticity constant was measured in 1% gelatin (Table). In the samples obtained by repeated extraction (yields 60-60%), the gelatin showed elasticity constants that were very close to those of the Japanese agar. Thus there would be a possibility of improving the agaroid by means of several, repeated extractions with alcohol-water mixtures. There are 2 tables and 4 references, 3 of which are Soviet.

Kafedra fizicheskoy ikolloidnoy khimii Saratovskogo gosudarstvennogo universiteta (Chair of Physical Chemistry and Colloid Chemistry of Saratov State University)

ASSOCIATION:

August 8 1958

ROOT, L.A., MALOZYEV, I.M., GUSENKOVA, Ye.N., GLIKMAN, S.A.

Phase equilibria in the systems polymer - binary solvent.  
Part 1: Effect of the content of nitrile groups in vulcanized  
butadiene-acrylonitrile copolymers (SNC) on their sorption of  
components from a mixture of benzene with alcohols. Kolloj.  
zhur. 27 no.6:864-868 M.D. '65. (MIRA 18,12)

I. Saratovskiy universitet imeni N.G. Chernyshevskogo.  
Submitted March 25, 1964.

GLIKMAN, S.A.; ROOT, L.A..

Volume effects of the dilution of high polymer solutions. Uch.  
(MIRA 17:3)  
zap. SGU 75:110-113 '62.

ROOT, L. A.; SHUBTSOVA, I. G.

Scientific activity of Sergei Abramovich Glikman (on the -  
70th anniversary of his birth). Koll. zhur. 24 no.6:755-756  
(MIRA 16:1)  
N-D '62.

(Glikman, Sergei Abramovich, 1892-)

GLIKMAN, S.A.; ADAM, B.M.; ROOT, L.A.

Heterogeneity and gel forming capacity of agar from the  
Black Sea phylophore (agaroid). Nauch.dokl.vys.shkoly; khim.i  
khim.tekh. no.1:151-153 '59. (MIRA 12:5)

1. Predstavlena kafedroy fizicheskoy i kolloidnoy khimii  
Saratovskogo gosudarstvennogo universiteta.  
(Black Sea--Agaroids)

Roots, J.

USSR/Cultivated Plants - Potatoes. Vegetables. Melons.

M-3

Abs Jour : Ref Zhur - Biol., No 20, 1958, 91673

Author : Roots, J.

Inst :

Title : The Results of Potato Variety Tests.

Orig Pub : Sots. pollumajandus, 1958, No 3, 112-113.

Abstract : No abstract.

ROOTS, J.

Starting a private apulary. p.516

SESTIALISTLIK POLLUMAJANDUS. Tallinn, Estonia. Vol. 14, no. 11, June 1959

Monthly List of East European Accessions, (EEAI), LC. Vol. 8, No. 9, September 1959

ROOTS, J.

Results of potato variety testing. p. 112.

SOTSIALISTLIK POLLUMAJANDUS. (Pollumajanduse Ministeerium) Tallinn,  
Estonia. Vol. 13, no. 3, Marche 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 11,  
November 1959.

Uncl.

ROOTS, J.

Strengthening the bee colonies. p. 136.

SOTSIALISTLIK POLLUMAJANDUS. (Pollandmajanduse Ministeerium) Tallinn,  
Estonia. Vol. 13, no. 3, March 1958.

Monthly List of East European Accessions (EEAI) LC, Voll 8, no. 11,  
November 1959.

Uncl.

Roots L.M.

BOROVSKIY, P. V.

PHASE I BOOK EXPLOITATION

SOV/6206 75

Konferentsiya po teorii plastin i obolochek. Kazan', 1960.

Trudy Konferentsii po teorii plastin i obolochek, 24-29 oktyabrya 1960. (Transactions of the Conference on the Theory of Plates and Shells Held in Kazan', 24 to 29 October 1960). Kazan' [Izd-vo Kazanskogo gosudarstvennogo universiteta] 1961. 426 p. 1000 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Kazanskiy filial. Kazanskiy gosudarstvennyy universitet im. V. I. Ul'yanova-Lenina.

Editorial Board: Kh. M. Mushtari, Editor; F. S. Isanbayeva, Secretary; N. A. Alumyaev, V. V. Bolotin, A. S. Vol'mir, N. S. Ganiyev, A. L. Gol'denveyzer, N. A. Kil'chevskiy, M. S. Kornishin, A. I. Lur'ye, G. N. Savin, A. V. Sachenkov, I. V. Svirskiy, R. G. Surkin, and A. P. Filippov. Ed.: V. I. Aleksagin; Tech. Ed.: Yu. P. Semenov.

PURPOSE: The collection of articles is intended for scientists and engineers who are interested in the analysis of strength and stability of shells.

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SOV/6206

Transactions of the Conference (Cont.)

COVERAGE: The book is a collection of articles delivered at the Conference on Plates and Shells held in Kazan' from 24 to 29 October 1960. The articles deal with the mathematical theory of plates and shells and its application to the solution, in both linear and nonlinear formulations, of problems of bending, static and dynamic stability, and vibration of regular and sandwich plates and shells of various shapes under various loadings in the elastic and plastic regions. Analysis is made of the behavior of plates and shells in fluids, and the effect of creep of the material is considered. A number of papers discuss problems associated with the development of effective mathematical methods for solving problems in the theory of shells. Some of the reports propose algorithms for the solution of problems with the aid of electronic computers. A total of one hundred reports and notes were presented and discussed during the conference. The reports are arranged alphabetically (Russian) by the author's name.

Card 2/14

Transactions of the Conference (Cont.)	SOV/6206
Remisova, N. I. Application of Integral Equations to the Solution of Some Problems of the Theory of Cylindrical Shells	302
Roots, L. M. Determining the Critical Load of Trapezoidal and Triangular Plates Under Uniform Compression [on All Edges]	306
Rudykh, G. N. Stability of a Circular Stiffened Cylindrical Shell	312
Samul', V. I. Stress and Displacement Analysis of a Thin Elastic-Viscous [Ferroconcrete] Plate With Reinforcement Prestressed in Two Directions	322
Sachenkov, A. V. On the Elastic-Plastic Stability Theory of Plates and Shells	331
Svirskiy, I. V. On Estimating the Accuracy of the Approximate Solution of Non-Self-Conjugate Elliptical Differential Equations by the Bubnov-Galerkin-Petrov Method	337

Card 11/14

S/124/63/000/001/046/080  
D234/D508

AUTHOR: Roots, L.M.

TITLE: Determination of critical load for uniformly compressed plates having trapezoidal and triangular outline

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 1, 1963, 17-18,  
abstract LV124 (Tr. Konferentsii po teorii plastin  
i obolochek, 1960. Kazan', 1961, 306-311)

TEXT: The author considers a plate limited by straight lines  $x = a$ ,  $x = b$ ,  $y = \alpha x$ ,  $y = \beta x$ . The differential equation of stability of the plate is replaced by the system

$$\nabla^2 M + \frac{T}{D} M = 0 \quad (1)$$

$$M - \nabla^2 w = 0 \quad (2)$$

where  $w$  is the deflection,  $T$  is the compressing force,  $\nabla^2$  is the

S/124/63/000/001/046/080

D234/D508

Determination of critical load ...

Laplace operator. The plate is regarded as freely supported on the edge  $w = 0$  and  $M = 0$ . The equation (1) is transformed to new coordinates  $\xi = x$ , and  $\eta = y/x$  and solved by Vlasov's method.  $M$  is given as a series

$$M = \sum_{m=1}^{\infty} \sin \frac{m\pi(\eta - \alpha)}{c - \alpha} f_m(\xi) \quad (3)$$

This equation for  $M$  satisfies the boundary conditions. Solving the problems in the first approximation the author obtains an equation soluble in Bessel's functions. The quantities  $b^2 T_{cr}/D$  are tabulated for a plate having the form of an isosceles triangle with the apex angle  $\gamma = 30^\circ, 60^\circ, 90^\circ$  and for an isosceles trapeze with angles equal to  $45^\circ$ . The solution of the problem for the case of elastic-plastic deformations is outlined.

[Abstracter's note: Complete translation]

SOV/124-57-8-9550

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 8, p 139 (USSR)

AUTHOR: Roots, O. T.

TITLE: An Electric-analog Investigation of Crossbeams (Elektricheskoye modelirovaniye perekrestnykh balok)

PERIODICAL: Tr. Tallinsk. politekhn. in-ta, 1955, Vol A, Nr 65, pp 111-123

ABSTRACT: The author describes an experimental method for investigating the flexure of statically indeterminate built-up girders. The method is based on an analogy between the equations describing the flexure of a beam and those describing the flow of an electric current through a circuit consisting of resistances and transformers. The author describes various types of electric circuit which can be used to simulate both a simple beam and an elastically supported beam under various conditions of constraint. Included also is a circuit diagram for electric-analog simulation of a system of interconnected crossbeams wherein it is stipulated that the deflections occurring at the beam junctions are all equal. Given also are the electrical parameters of the various circuit elements.

Card 1/1

S. V. Boyarshinov

SOV/112-57-9-18249

Translation from: Referativnyy zhurnal, Elektrotehnika, 1957, Nr 9, p 10 (USSR)

AUTHOR: Roots, O. T.

TITLE: Electric Analog Modeling of Crossbeams  
(Elektricheskoye modelirovaniye perekrestnykh balok)

PERIODICAL: Tr. Tallinsk. politekhn. in-ta, 1955, A., Nr 65, pp 111-123

ABSTRACT: An electric analog of a bent beam has been found by substituting four difference equations for the differential equation of the beam's elastic line. Only the second system of the electromechanical analogies has been used. The electric simulator helps to determine displacements and turn angles of supported cross-sections, as well as support moments and transverse forces. The simulator can also serve to determine internal forces in case of a movable load. An engineering calculation of the simulator elements is presented, as well as an example of modeling of a floor. Bibliography: 5 items.

P.M.Ch.

Card 1/1

SOV/124-58-2-2506

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 129 (USSR)

AUTHOR: Roots, O. T.

TITLE: The Solution of Plane Stress Problems by Means of Electric Strain Gages (Issledovaniye ploskogo napryazhennogo sostoyaniya elektricheskimi tenzometrami)

PERIODICAL: Tr. Tallinsk. politekhn. in-ta, 1957, Vol A, Nr 107, 14 pp., ill.

ABSTRACT: Bibliographic entry

Card 1/1

ROOTS, O. I.

"Calculation and Electromodeling of Crossed Beams." Cand  
Tech Sci, Chair of Construction Mechanics, Tallin Polytechnical  
Inst, Min Higher Education USSR, Tallin, 1954. (KL, No 7, Feb 55)

SO: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical  
Dissertations Deferred at USSR Higher Educational Institu-  
tions (14)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445320020-0

ROOTS, YA.

35409 Pchelovodstvo Estoneskoy SSR. Pchelovodstvo, 1949, No. 11, S. 13-15.

SO: Letopis' Zhurnal'nykh Statey Vol. 34, Moskva, 1949

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R001445320020-0"

STAKHANOV, A.I.; ROPAKOV, S.A.

Analysis of the causes of industrial injuries in mines of  
the Lugansk Economic Council in 1960. Nauch. trudy KHGI 11:  
45-49 '62.  
(MIRA 16:11)

ASTAPENKO, P.; AL'T, Zh. [Alt, J.]; ROPAR, N.; BUGAYEV, V.A., otv.red.;  
KAPITSA, M.P., red.; MAKUNI, Ye.V., tekhn.red.

[Some aspects of atmospheric circulation in Antarctica in 1958]  
Nekotorye voprosy tsirkuliatsii atmosfery v Antarktike v 1958 g.  
Moskva, Izd-vo Akad.nauk SSSR, 1960. 128 p. (II razdel programmy  
MGG (meteorologiya), no.2). (MIRA 13:12)

1. Léningrad Hydrometeorological Institute, U.S.S.R. (for Asta-  
penko). 2. Météorologie National, France (for Alt'). 3. U.S.  
Weather Bureau, Washington (for Ropar).  
(Antarctica--Atmosphere)

S/269/63/000/002/011/037  
A001/A101

AUTHOR: Rootsmyae, T. Ya.

TITLE: The problem of stellar evolution in connection with regularities in their kinematics

PERIODICAL: Referativnyy zhurnal, Astronomiya, no. 2, 1963, 43 - 44, abstract 2.51.361 ("Publikatsii Tartusk. astron. observ.", 1961, v. 33, no. 5 - 6, 322 - 350, English summary)

TEXT: The author describes a kinematic method of determining the relative age of the stars. It is based on the hypothesis that the larger the linear velocity of galactic rotation and the smaller dispersion of velocities within any natural group of stars, the younger are the members of this group on the average. Dynamic considerations are adduced in favor of this hypothesis. As a result of an analysis of kinematical characteristics, i.e., linear velocity of galactic rotation, galactocentric velocity, and dispersion of velocities, for different stellar groups, a series of regularities are derived. The following conclusions have been drawn on evolution of stars: 1) The development of giants proceeds

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S/269/63/000/002/011/037  
A001/A101

The problem of stellar evolution in...

along the sequence B,  $A \rightarrow gF \rightarrow gG \rightarrow gK \rightarrow gM$ . The transition from one state to another takes place the sooner the larger is the mass of the star. These conclusions agree with the results of observations of stellar associations, clusters and binaries. Later on, a transformation of stars-giants into planetary nebulae and then into white dwarfs, is possible. 2) The stars of the upper part of the main sequence develop in the direction  $B \rightarrow A \rightarrow dF \rightarrow dG$ . For these stars the evolution towards giants is also possible, according to the sequence considered above, without a noticeable change in mass. The lower part of the main sequence is not uniform. The evolutionary course  $dM \rightarrow dK \rightarrow dG$  is possible. The conversion of subgiants into G- and K-dwarfs is not excluded. Kinematic criteria make it possible that subgiants might be a subsequent stage in development of F-dwarfs. There are 45 references.

A. Mardanov

[Abstracter's note: Complete translation]

L 05174-57 EWT m// EWP(J) RM  
ACC NR: AP7000725

SOURCE CODE: UR/0062/66/000/006/1027/1031

28

B

KNUNYANTS, I. L., BELAVEN'TSEV, M. A., ROPALO, P. P., SOKOL'SKIY, G. A.

"Fluorine-Containing Beta-Sultones. Communication 17. Derivates of Penta-fluoropropenylsulfuric Acid"

Moscow, Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya, No 6, 1966,  
pp 1027-1031

Abstract: Pentafluoropropenyl chlorosulfate was produced by the reaction of hexafluoropropane-2-beta-sultone with alkanesulfonyl chlorides (methane- and ethanesulfonyl chlorides), with alkyl chlorosulfates (n-amyl and n-hexyl chlorosulfates), and chlorosulfonic acid, as well as by the reaction of hexafluoropropylene with chlorosulfonic acid or with a solution of sulfuric anhydride. The latter reaction includes the intermediate formation and further conversion of hexafluoropropane-2-beta-sultone. The reaction of hexafluoropropane-2-beta-sultone with dialkyl sulfites yields pentafluoropropenylalkyl sulfates. Hydrolysis and alcoholysis of the latter were studied. The physical properties of the derivatives of pentafluoropropenylsulfuric acid obtained were also investigated.

Orig. art. has: 6 formulas and 6 tables. [JPRS: 37,023]

ORG: none

TOPIC TAGS: fluorinated organic compound, organic sulfur compound

SUB CODE: 07 / SUAM DATE: 17Feb66 / ORIG REF: 004

Ronceanu, F.

RUMANIA/Chemical Technology - Chemical Products and Their  
Application - Carbohydrates and Refinement.

H-26

Abs Jour : Ref Zhur - Khimiya, No 3, 1958, 9484

Author : Kalman A., Ronceanu F., Creanga Laura, Zorio N.,  
Budici Georgetta

Inst : -  
Title : Treatment of Rumanian Diatomites and Possibilities of  
Their Utilization.

Orig Pub : Rev. chim., 1957, 8, No 3, 158-161

Abstract : The chemical composition of diatomites is given and  
their various uses are stated, especially as filtering  
materials in the sugar- and chemical industries.

BORSUK, Jozef; ROPIK, Mieczyslaw; SZYMANSKI, Andrzej; MIKSZA, Jan

Auditory apparatus in pulmonary tuberculosis patients treated  
with streptomycin. Gruzlica 33 no.11:1165-1170 N° 65

1. Z Katedry Fizjatrii z Klinika Wojskowej Akademii Medycznej  
(Kierownik podpułkownik dr. med. M. Ropik) i z Kliniki Laryn-  
ologicznej Wojskowej Akademii medycznej (Kierownik pułkownik  
prof. dr. med. J. Borsuk).

ROPEK, Mieczyslaw; STRUPCZEWSKA-JANUSZOWA, Halina; SZYMANSKI, Andrzej

The ethionamide resistance titer of the H37Rv strain isolated from patients not treated with ethionamide and attempted use of the vertical diffusion method for the determination of bacteriostatically-active ethionamide in patient's serum. Gruzlica 30 no.12:1085-1090 '62.

1. Z Pracowni Bakteriologicznej Kliniki Ftizjatrycznej AM Z Katedry Ftizjatrii WAM i ze Szpitala im. dr J. Brudzinskiego w Lodzi. Kierownik Kliniki Ftizjatrycznej AM: prof. dr med. J. Stopczyk Dyrektor szpitala: dr med. S. Kuczborski. Kierownik pracowni: dr mikrobiologii H. Strupczewska-Januszowa.  
(ETHIONIAMIDE) (MYCOBACTERIUM TUBERCULOSIS)  
(DRUG RESISTANCE MICROBIAL)

ROPEK, Mieczyslaw; SZYMANSKI, Andrzej; WOSZCZAK, Wieslawa;  
PRUSZYNSKA, Stefania

Results of antibacterial treatment of freshly discovered  
fibro-cavernous pulmonary tuberculosis. Gruzlica 31 no.10:  
1041-1048 '63.

1. Z Katedry Ftizjatrii WAM i Kliniki Ftizjatrycznej AM w Lodzi  
Szef Katedry i Kierownik Kliniki: prof. dr med. J. Stopczyk.  
(TUBERCULOSIS, PULMONARY) (DRUG THERAPY)

ROPEK, Mieczyslaw; SZYMANSKI, Andrzej

A case of staphylococcal pneumonia complicated by spontaneous pneumomediastinum, pneumothorax and subcutaneous emphysema.  
Gruzlica 31 no.10:1081-1084 '63.

1. Z Kliniki Ftizjatrycznej AM i Katedry Ftizjatrii WAM w Lodzi  
Kierownik Kliniki i Szef Katedry: prof. dr med. J. Stopczyk.  
(PNEUMONIA) (STAPH INFECTIONS, RESPIRATORY)  
(MEDIASTINAL EMPHYSEMA) (PNEUMOTHORAX)  
(EMPHYSEMA) (AUTOPSY)

ROPEK, Mieczyslaw; PRUSZYNSKA, Stefania; SZYMANSKI, Andrzej

Aneurysm of the pulmonary artery with death during bronchoscopy.  
Gruzlica 30 no.9:849-853 '62.

1. Z Kliniki Ftizjatrycznej AM i z Katedry Ftizjatrii WAM  
w Lodzi Kierownik: prof. dr med. J. Stopczyk.  
(ANEURYSM) (PULMONARY ARTERY) (BRONCHOSCOPY)  
(DEATH, SUDDEN)

ROPEK, Mieczyslaw; SZYMANSKI, Andrzej; PRUSZYNSKA, Stefania

Late results of ethionamide therapy of pulmonary tuberculosis  
in adults. Gruzlica 31 no.10:1049-1054 '63.

1. Z Kliniki Ftizjatrycznej AM i Katedry Ftizjatrii WAM w  
Lodzi Kierownik Kliniki i Szef Katedry: prof. dr med. J. Stopczyk.  
(TUBERCULOSIS, PULMONARY) (ETHIONAMIDE)

ROPEK, Mieczyslaw; SZYMANSKI, Andrzej

Early results of ethionamide (TH-1314) therapy of pulmonary  
tuberculosis in adults. Gruzlica 30 no.9:801-809 '62.

1. Z Kliniki Ftizjatrycznej AM i Katedry Ftizjatrii WAM w Lodzi  
Kierownik Kliniki i Szef Katedry: prof. dr med. J. Stopczyk.  
(ETHIONAMIDE) (TUBERCULOSIS, PULMONARY)

ROPEK, Mieczyslaw; SCHIMMEL, Janusz

Silico-tuberculosis among Walbrzych Basin coal miners. Gruzlica.  
32 no.8:733-739 Ag '64.

1. Z Poradni Przeciwgruzliczej w Walbrzychu (Kierownik: lek. med.  
K. Kwinta).

KWIEKOWA, Agnieszka; LYPACZEWSKA, Joanna; KUCHARSKI, Ryszard; KUCHTA, Jan;  
KWIT, Wladyslaw; ROPEK, Mieczyslaw

Considerations on the work of anti-tuberculosis dispensaries according to the analysis of records of patients under observation no less than 4 years. Gruzlica 27 no.11:1165-1172 N '59.

1. Z Poradni Przeciwgruzliczych: Instytutu Gruzlicy w Warszawie,  
Wojewodzkiej Centralnej w Lublinie, Miejskiej w Walbrzychu i Powiatowej w Chrzanowie.  
(TUBERCULOSIS hosp.& clinics)

ROPELEWSKI, A.

From the old protective legislation concerning maritime problems. p. 3.

CHRONMY PRZYRODE OJCZYSTA. (Panstwowa Rada Ochrony Przyrody)  
Krakow. Vol. 15, no. 1, Jan./Feb. 1959  
Poland/

Monthly List of East European Accessions Index (EEAI), LC, Vol. 8, no. 6, June 1959  
Uncl.

ROPELEWSKI, A.

"Remarks on the article 'Is it Only a Matter of Quantity in Maritime Fisheries?' P. 16  
(GOSPODARKA RYBNA Vol. 5, No. 3, Mar. 1953 Warszawa, Poland)

SO: Monthly list of East European Accessions, L.C., Vol. 3, No. 4, April 1954

ROPELEWSKI, Andrzej

Sea Fisheries Laboratory, Maritime Station, Sea Fisheries Institute.  
Review Pol Academy 8 no.2:69-72 Ap-Je '63.

1. Sea Fisheries Institute, Gdynia, Aleja Zjednoczenia 1. Head:  
Jozef Wolek.

ROPELEWSKI, A.

"Improvement of maritime administration on the Polish coast", p. 16 (GOSPODARKA RYBNA Vol. 5, No. 3, Mar. 1953 Warszawa, Poland)

"First-aid stations for fishers", p.17 (GOSPODARKA RYBNA Vol. 5, No. 3, Mar. 1953 Warszawa, Poland)

"The codling campaign", p. 17 (GOSPODARKA RYBNA Vol. 5, No. 3, Mar. 1953 Warszawa, Poland)

SO: Monthly list of East European Accessions, L.C., Vol. 3, No. 4, April 1954

ROPELEWSKI, A.

From the history of fisheries in the southern Baltic. (To be contd.)  
p. 26. GOSPODARKA RYBNA (Polskie Wydawnictwa Gospodarcze)  
Warszawa. Vol. 7, no. 10, Oct. 1955.

So. East European Accessions List. Vol. 5, no. 1, Jan. 1956.

ROPELEWSKI, A.

ROPELEWSKI, A. From the past of fisheries in the southern Baltic. p. 18.

Vol. 8, no. 9, Sept. 1956

GOSPODARKA RYBNA

AGRICULTURE

Poland

So: East European Accession, Vol. 6, No. 5, May 1957

ROPELEWSKI, A.

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